

AMENDMENTS TO THE CLAIMS

1 to 8. (Canceled)

9. (New) The process for producing a resin model used in precious casting by a lost wax method comprising at least:

a hardened resin layer forming step of injecting two-pack reaction hardening type urethane resin solution (A) with a working life of 1 to 3 minutes through a casting port of a mold for resin model formation defining an internal space whose configuration is identical with that of a product into said internal space in a volume amounting to 5% to 20% of said volume of said internal space, closing said casting port and rotating said mold for resin model formation, so that a hardened layer of said two-pack reaction hardening type urethane resin solution is formed on an inside wall of said mold for resin model formation;

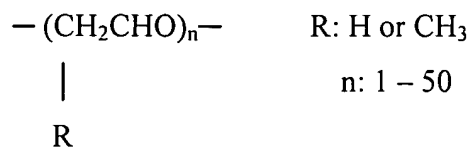
a resin model forming step of repeating said hardened resin layer forming step three to six times at intervals of 3 to 5 minutes so as to effect laminating of hardened resin layers, thereby obtaining a resin model having internal space at a core region thereof; and demolding step of demolding said resin model from said mold for resin model formation.

10. (New) The process for producing a resin model according to claim 9, wherein:

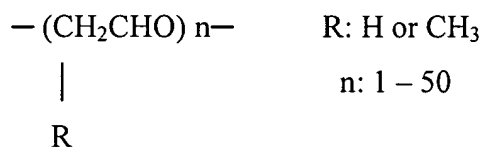
said two-pack reaction hardening type urethane resin solution (A) comprises multifunctional polyol component (a), multifunctional polyisocyanate component (b) and a plasticizer component (c), and an average functional group of said multifunctional polyol component (a) is 2.8 or larger, an average functional group of said multifunctional polyisocyanate component (b) is 2.0 or larger, and a ratio NCO/OH is within 0.7 to 1.0.

11. (New) The process for producing a resin model according to claim 10 wherein plasticizer component (c) is micro-dispersed through phase separation at said reaction hardening.

12. (New) The process for producing a resin model according to claim 10, wherein said two-pack reaction hardening type urethane resin solution (A) contains polyether chains having a chemical structure indicated in chemical structural formula as follows at 2- 25 wt% thereof.



13. (New) The process for producing a resin model according to claim 9, wherein said two-pack reaction hardening type urethane resin solution (A) contains polyether chains having a chemical structure indicated in chemical structural formula as follows at 2- 25 wt% thereof.



14. (New) The process for producing a resin model according to claim 9, wherein:

a fine wax component (d) is preferably contained within 5 to 40 wt% in said two-pack reaction hardening type urethane resin solution (A).

15. (New) The process for producing a resin model according to claim 10, wherein:

a fine wax component (d) is preferably contained within 5 to 40 wt% in said two-pack reaction hardening type urethane resin solution (A).

16. (New) The process for producing a resin model according to claim 12, wherein:

a fine wax component (d) is preferably contained within 5 to 40 wt% in said two-pack reaction hardening type urethane resin solution (A).

17. (New) The process for producing a resin model according to claim 13, wherein:

a fine wax component (d) is preferably contained within 5 to 40 wt% in said two-pack reaction hardening type urethane resin solution (A).

- 18. (New)** The process for producing a resin model according to claim 9, wherein:
said resin model has an internal hollow space whose volume is in a range from 20% to 70% of volume of said resin model.
- 19. (New)** The process for producing a resin model according to claim 10, wherein:
said resin model has an internal hollow space whose volume is in a range from 20% to 70% of volume of said resin model.
- 20. (New)** The process for producing a resin model according to claim 12, wherein:
said resin model has an internal hollow space whose volume is in a range from 20% to 70% of volume of said resin model.
- 21. (New)** The process for producing a resin model according to claim 13, wherein:
said resin model has an internal hollow space whose volume is in a range from 20% to 70% of volume of said resin model.
- 22. (New)** The process for producing a resin model according to claim 14, wherein:
said resin model has an internal hollow space whose volume is in a range from 20% to 70% of volume of said resin model.
- 23. (New)** The process for producing a resin model according to claim 15, wherein:
said resin model has an internal hollow space whose volume is in a range from 20% to 70% of volume of said resin model.
- 24. (New)** The process for producing a resin model according to claim 16, wherein:
said resin model has an internal hollow space whose volume is in a range from 20% to 70% of volume of said resin model.
- 25. (New)** The process for producing a resin model according to claim 17, wherein: